

Drive-Off Breakaway Reconnection Procedure for the 8701VV Breakaway using EasyGrip Reconnection Tool

Use this procedure to either reconnect or disconnect (reverse order) the Healy 8701VV Breakaway as part of Section 1.4 Procedure for Reconnecting Breakaway and Testing Fueling Point after Drive-Off in the Healy Systems Scheduled Maintenance.

Note: Breakaway Reconnections must be logged in the GDF Maintenance Log.

TOOLS NEEDED:

- EasyGrip Reconnection Clamp



- 8 mm Hex Head Socket
- Torque wrench
- Safety Glasses

RECONNECTION PROCEDURE

Note: Additional information on the EasyGrip operation can be found by viewing a video clip on their website at <http://www.simplegrip123.com/>

1. Inspect each half of the separated breakaway for obvious damage to the outer-shell, plastic inserts or o-rings; including cracks, chips or tears that may effect reconnecting the two halves.
2. Check the shear pin bushing hole, (See Figure 1) located in the top half of the breakaway for any part of the pin left behind at separation. A gentle tap on the opposite side of the breakaway should eject the pin.



Figure 1

3. After completing inspection, lightly lubricate the main o-ring on the top half of the breakaway (See Figure 1). Any weight motor oil is acceptable.
4. With the EasyGrip in its full open position, place the top portion of the breakaway into the top side of the EasyGrip and the bottom portion of the breakaway into the bottom side (See Figure 2).



Figure 2

5. Pull the two handles of the Easy Grip down at the same rate to slowly bring the two halves together. Check the main o-ring for position as the top and bottom of the breakaway come together. See Figure 3.

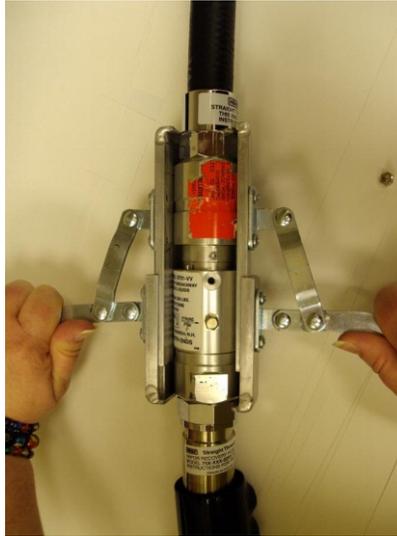


Figure 3

6. Align the dowel pin in the bottom half of the breakaway with the dowel pin guide located in the top half of the breakaway. When the dowel pin and guide are aligned, continue squeezing tool grips until the breakaway halves come together. See Figure 4



Figure 4

Caution: Reconnection can cause a small amount of gasoline to leak out of the breakaway. A towel placed in front of the reconnection zone of the breakaway can help to minimize fuel spills.

7. Remove the shear pin (#787) located in the spare shear pin location of the breakaway and install in place of the original. See Figure 5



Figure 5

8. Torque the shear pin to 20 inch-pounds (~ 1.5 ft-lbs).
DO NOT OVER-TIGHTEN
9. If available, install a shear pin (#787) in the spare shear pin location.
10. Remove the Easygrip.
11. Proceed with the tests outlined in Section 1.4 of the Healy Systems Scheduled Maintenance.